

INTERNATIONAL SEARCH REPORT

In. nal Application No

PCT/GB2004/003566

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B5/00 G01S11/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01S H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim.No.
X	US 2002/140419 A1 (DURET DENIS) 3 October 2002 (2002-10-03) abstract	1
Y	page 1, right-hand column, paragraph 9 - paragraph 21 page 2, left-hand column, paragraph 32 - paragraph 33 page 4, right-hand column, paragraph 79 figure 1	1-4,6, 11,18,19
X	GB 1 257 692 A (DEREK WAINE WHITEHEAD) 22 December 1971 (1971-12-22) page 1, line 25 - page 1, line 50 page 1, line 78 - page 2, line 60 figures 1-3 ----- -/-	1

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier document but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
"&" document member of the same patent family

Date of the actual completion of the international search

12 November 2004

Date of mailing of the international search report

17.02.2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lopez Marquez, T

INTERNATIONAL SEARCH REPORT

Intern. Application No
PCT/GB2004/003566

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 134 420 A (FLOWERDEW PETER M ET AL) 17 October 2000 (2000-10-17) abstract column 1, line 66 - column 3, line 16 column 5, line 24 - line 49 column 16, line 40 - column 17, line 22 column 18, line 28 - line 67; figure 22 -----	1-4,6, 11,18,19
A	DE 37 19 179 C (GOETTING KG) 15 December 1988 (1988-12-15) abstract claim 1 column 2, line 50 - column 3, line 1 figures 1-3 -----	1,18
A	GB 2 335 323 A (MOTOROLA LTD) 15 September 1999 (1999-09-15) abstract page 3, line 7 - line 17 page 4, line 17 - line 30 page 5, line 13 - line 24 figure 1 -----	1,18
A	GB 2 311 190 A (CENTRAL RESEARCH LAB LTD) 17 September 1997 (1997-09-17) page 1, line 26 - page 2, line 2 page 2, line 10 - line 16 page 2, line 24 - line 32 page 8, line 17 - line 33 figure 5 -----	1,18

INTERNATIONAL SEARCH REPORT

ional application No.
PCT/GB2004/003566

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-25

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-25

Radio frequency tunable receiver for use in a proximity detecting system, capable of modifying the frequency of the received signals which are in the range between 100 kHz and 10 MHz. The receiver comprises at least one antenna coil for receiving signals. The antenna coils are perpendicular to each other and are selected sequentially. The distance between transmitter and receiver is calculated based on the received signal strength.

2. claims: 26-37

Frequency radio transmitter for use in a proximity detection system and being operable to selectively transmit signals at plurality of different frequencies and comprising an antenna circuit having a variable impedance and a frequency bandwidth associated therewith.

INTERNATIONAL SEARCH REPORT

Information on patent family members

In tional Application No

PCT/GB2004/003566

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2002140419	A1	03-10-2002	FR 2812481 A1 EP 1200794 A1 WO 0210674 A1 JP 2004505262 T	01-02-2002 02-05-2002 07-02-2002 19-02-2004
GB 1257692	A	22-12-1971	NONE	
US 6134420	A	17-10-2000	US 5966641 A AU 2240699 A WO 9938273 A2 AU 5096398 A US 6061030 A WO 9820626 A1	12-10-1999 09-08-1999 29-07-1999 29-05-1998 09-05-2000 14-05-1998
DE 3719179	C	15-12-1988	DE 3719179 C1	15-12-1988
GB 2335323	A	15-09-1999	NONE	
GB 2311190	A	17-09-1997	NONE	